

# SEQUENCE LISTING

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Hamon, Christian

<120> MICROELECTRONIC MOLECULAR DESCRIPTOR ARRAY DEVICES, METHODS,  
PROCEDURES, AND FORMATS FOR COMBINATORIAL SELECTION OF INTERMOLECULAR  
LIGAND BINDING STRUCTURES AND FOR DRUG SCREENING

<130> Patrick Eagleman: Nanogen 241/172

<140> 09/374,338

<141> 1999-08-13

<160> 31

<170> PatentIn version 3.0

<210> 1

<211> 7

<212> DNA

<213> Artificial Sequence

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<221> modified\_base

<222> (1)..(7)

<223> Entire sequence is Pyranosyl RNA

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<222> (1)..(1)

<223> Base 1 is tryptamine

<220>

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<222> (7)..(7)

<223> Base 7 is modified with Texas Red

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14

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<223> Entire sequence is Pyranosyl RNA

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<223> Base 7 is tryptamine

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<223> Entire sequence is Pyranosyl RNA

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<222> (3)..(3)  
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<222> (4)..(4)  
<223> Base 4 is tryptamine

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<222> (5)..(5)  
<223> Base 5 is tryptamine

e/ <400> 4  
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<223> Base 7 modified with a Peptide

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<223> Base 7 is tryptamine

<400> 5  
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<223> Entire sequence is Pyranosyl RNA

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<222> (1)..(1)  
<223> Base 1 modified with a Peptide

E1  
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<223> Base 1 is tryptamine

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<222> (8)..(8)  
<223> Base 8 is any nucleotide

<400> 6  
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8

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<222> (1)..(14)  
<223> Entire sequence is Pyranosyl RNA

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<222> (1)..(1)  
<223> Base 1 modified with Biotin

<220>  
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<222> (7)..(7)  
<223> Base 7 is tryptamine

<220>  
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<223> Bases 7 and 8 are modified by Peptide connection.

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14

e1  
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<223> 1st amino acid is modified with pyranosyl RNA

<400> 8  
Cys Leu Ser Leu Glu Gly  
1 5

<210> 9  
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<223> 1st amino acid is modified with pyranosyl RNA

<400> 9

Cys Ser Leu Glu Ser Gly  
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<210> 10

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<223> 1st amino acid is modified with pyranosyl RNA

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Cys Leu Leu Ser Glu Gly  
1 5

<210> 11

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Cys Ser Arg Ser Arg Gly  
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<210> 12

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<223> 1st amino acid is modified with pyranosyl RNA

<400> 12

Cys Ser Arg His Arg Gly  
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<210> 13

<211> 6

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<221> PEPTIDE

<222> (1)..(1)

<223> 1st amino acid is pyranosyl RNA

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Cys His Arg Tyr Arg Gly  
1 5

<210> 14

<211> 6

<212> DNA

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<220>

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<220>

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<222> (1)..(6)

<223> Entire sequence is pyranosyl RNA

<400> 14

cccggg

6

<210> 15

<211> 7

<212> DNA

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<223> Entire sequence is pyranosyl RNA

<220>

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<222> (4)..(4)

<223> Base 4 is tryptamine

<400> 15

cccnggg

7

<210> 16

<211> 8

<212> DNA

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<223> Entire sequence is pyranosyl RNA

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<221> Modified\_base

<222> (4)..(4)

<223> Base 4 is tryptamine

<220>

<221> Modified\_base

<222> (5)..(5)

<223> Base 5 is tryptamine

<400> 16

cccnnngg

8

<210> 17

<211> 8

<212> DNA

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<222> (1)..(8)

<223> Entire sequence is pyranosyl RNA



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<223> Base 3 is tryptamine

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<223> Base 6 is tryptamine

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8

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<223> Base 2 is tryptamine

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<222> (4)..(4)  
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<222> (6)..(6)  
<223> Base 6 is tryptamine

<400> 18  
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7

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<222> (1)..(8)

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<222> (4)..(4)

<223> Base 4 is tryptamine

<220>

<221> modified\_base

<222> (5)..(5)

<223> Base 5 is tryptamine

<220>

<221> modified\_base

<222> (4)..(5)

<223> Base 4 and 5 is modified by thioester linkage to Seq. ID No. 20

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8

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<220>

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<400> 20

Cys Phe Pro Tyr Trp Gly

1

5

<210> 21

<211> 6

<212> DNA

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<223> Entire sequence is pyranosyl RNA

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<223> Base 1 is tryptamine

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6

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<223> Entire sequence is pyranosyl RNA

21

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<223> Base 6 is tryptamine

<400> 22  
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6

<210> 23  
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<400> 23  
ccttcncccc c

11

<210> 24  
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Cys His His His His Gly  
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<210> 25  
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<400> 25

Cys Phe Pro Ser Phe Gly  
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<210> 26  
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<220>  
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<223> Base 7 is tryptamine

<400> 26  
cggggggn

<210> 27  
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<223> Entire sequence is pyranosyl RNA

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<223> Base 1 is modified with Biotin

<220>  
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<222> (6)..(6)  
<223> Base 6 is tryptamine

81  
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11

<210> 28  
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<223> Base 1 is tryptamine

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<223> Base 1 is modified with Biotin

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ngggaaggg

9

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<400> 29  
cccttccc

8

e1  
  
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<223> Base 7 is tryptamine

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8

<210> 31  
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<220>  
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<223> Base 1 is modified with Biotin

*El anal*  
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<223> Base 2 is tryptamine

<400> 31  
antgccta

8